Travel Agency

Project Documentation

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Project Specification

The aim of this project is to design and implement a desktop application for managing a travel agency, as an admin but also booking vacation packages as a regular user.

Database Diagram

The database diagram contains only four tables: user, vacation_pack, destination and user_pack(which solves the many to many relationship between user and vacation_pack. Something interesting to note is that there is no table for the Travel Agency, although the Agency is a user of the application too. I didn't find it necessary to include that table, as only one instance of the Agency was required by the problem specification, and I considered that instance to be the one operating the application from wherever it may be stored.
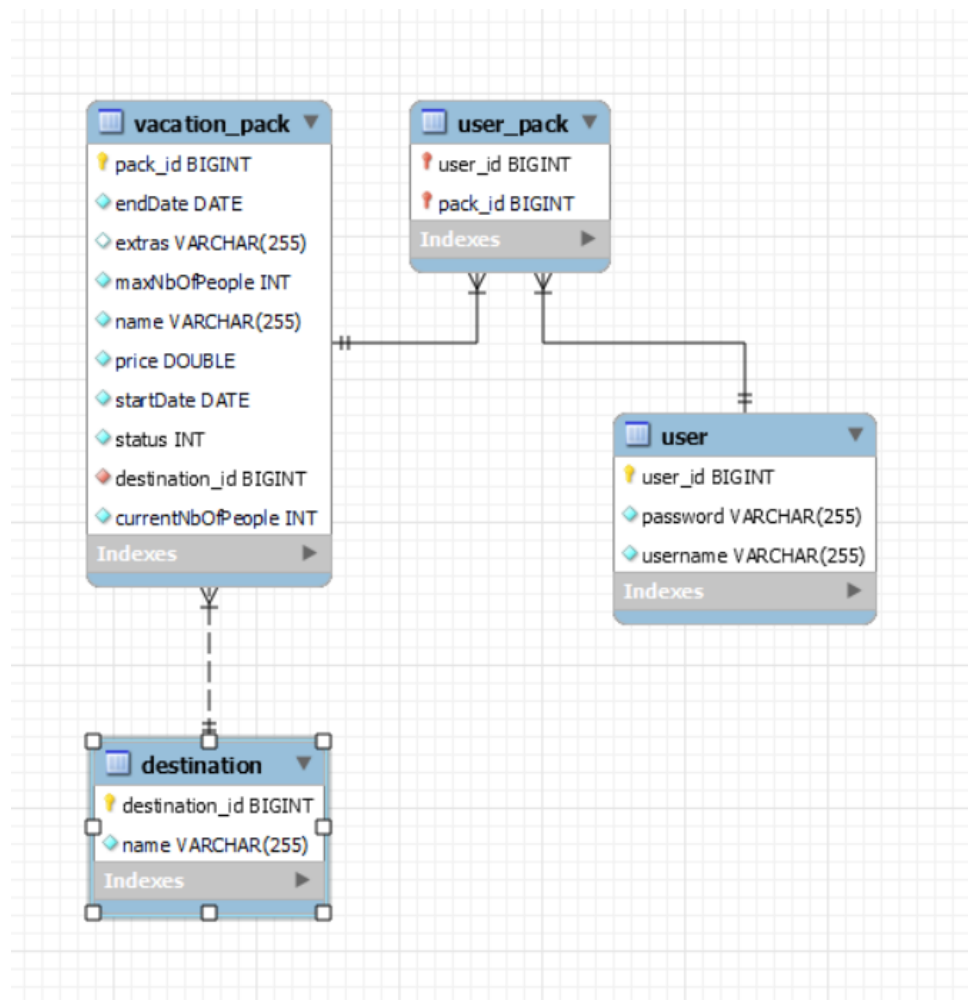

Fig. 1 – Database diagram

Use case diagram

There are 2 users: Travel Agency and User and they can perform the actions presented in the use case diagram below.
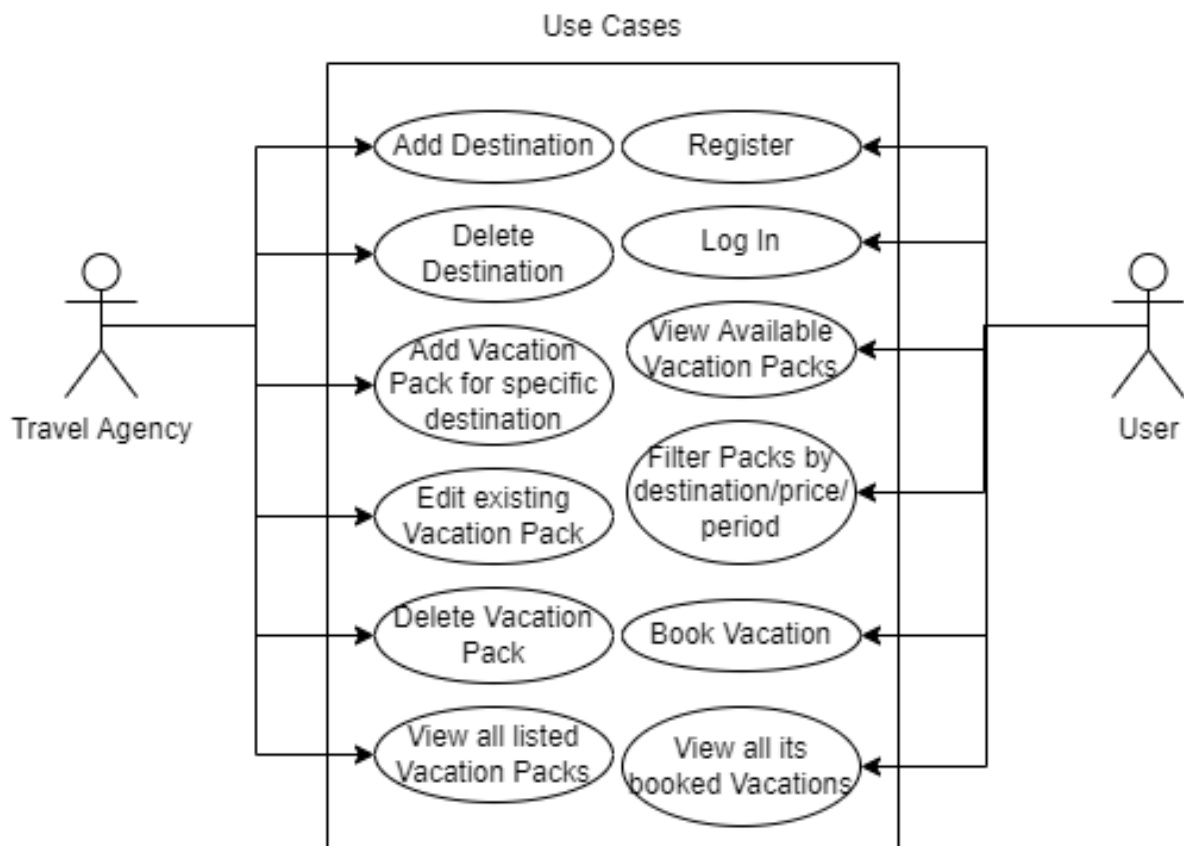

Fig. 2 – Use Case Diagram

Class Diagram

The Architecture of the application is structured in layers. The user interacts with the user interface which than passes information downwards trough the layers in this specific order: Presentation layer first, Business layer second and Dao layer last, the data then being inserted/updated/deleted from the database.
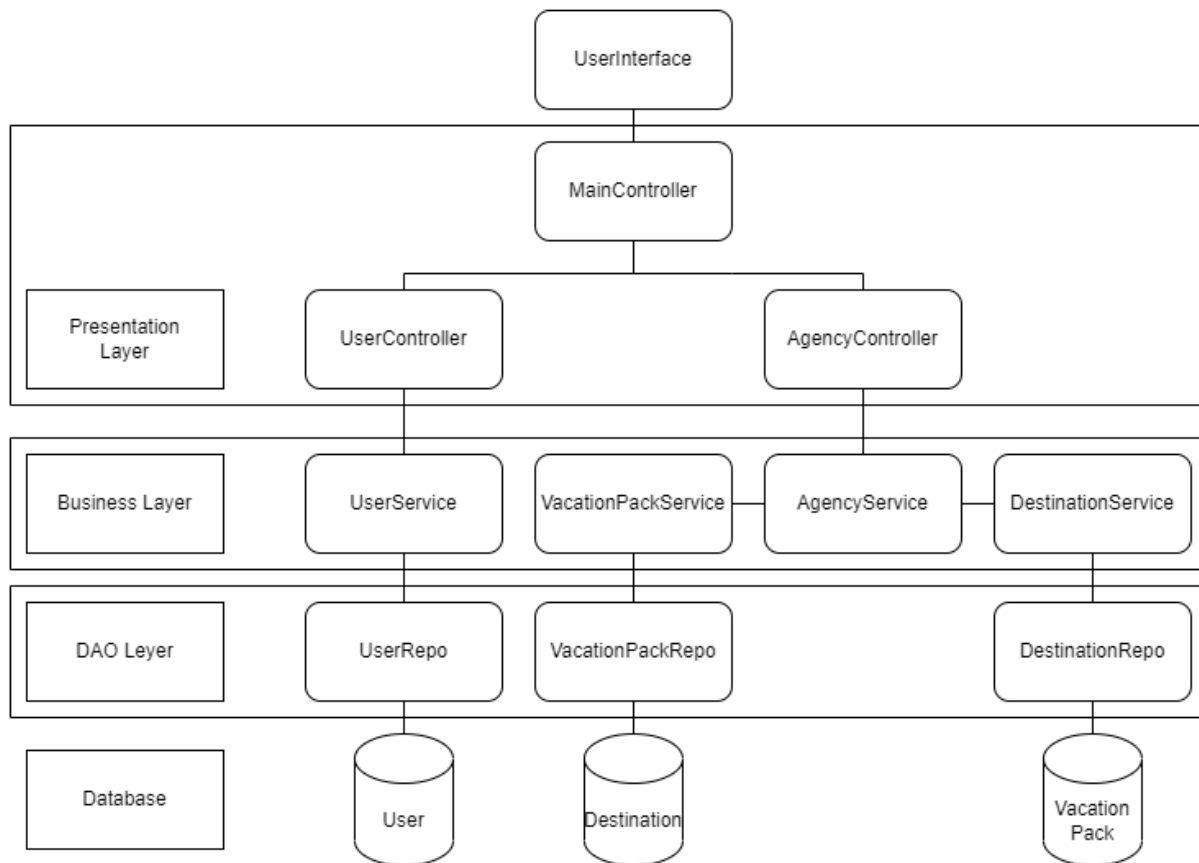

Fig. 3 – Class Diagram